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No. V.

FOLDING CHAIR.

The SILVER VULCAN MEDAL was this session presented to Mr. J. P. HUBBARD, Leadenhall-street, for a Folding Chair. A specimen of which has been placed in the Society's repository.

IN camp, on board ship, and in other situations in which stowage room is very limited, demands are continually making on the ingenuity of the cabinet-maker, to compress into as small a space as possible all articles of domestic furniture when not actually in use. The common camp-stool, either with or without a back, thus forms the substitute for a chair; but the webbing does not make a very firm or convenient seat, and this circumstance induced Mr. Hubbard (who is not a cabinet-maker) to add to it a folding wooden seat, with a spring catch. The result is, a light chair of a very firm and simple construction, which may be afforded at a small cost, and when not in use may be hung upon a peg, or may be stowed away in any other manner, occupying not more than one-third of the space required for a chair of common construction.

Plate VII. fig. 13, shows the chair when open or ready for use. It consists, like the camp-stool with a back, of two frames crossing each other, and united by the screw-pins *u u*; *v* is the wooden seat, having two hinges *v v* in

front, and a hole x at the back to receive the spring catch y in the back rail, as shown fig. 14; beneath the seat are two pieces of webbing $w w$ to limit the expansion of the two frames, and thereby to cause the spring catch to fall into its hole without any trouble: fig. 15 is a side view of the chair when folded.

No. VI.

APPARATUS TO ASSIST A WEAK KNEE
JOINT.

The LARGE SILVER MEDAL was this session presented to W. BROCKEDON, Esq. Caroline-street, Bedford-square, for a Mechanical Apparatus to assist a weak Knee-joint; a model of which has been placed in the Society's repository.

A SON of Archdeacon Froude of Modbury, a friend of Mr. Brockedon, had from his childhood been afflicted with lameness, arising from a withered right thigh and leg. The limb is about four inches shorter than the other, and possesses no muscular power, being almost pendulous from the hip joint. He was accustomed to walk with great difficulty, in a bent, almost crouching position, with a stick in the left hand, and the right hand placed over the knee in order to prevent it from giving way by the weight of the body. The father requested Mr. Brockedon to endeavour to contrive some apparatus for the relief of the youth; the request was complied with, and the result was the instru-